

8113 West Sherman Street Phoenix, AZ 85043-3000 Fax: 623.936.9164

Tel: 602.233.9166

July 20, 2000

Mr. Gerald Thompson **Environmental Assistant** Alaskan Copper Works P. O. Box 3546 Seattle, WA 98124-3546

Dear Mr. Thompson:

Enclosed is the appropriate copy of your company's Hazardous Waste Manifest resulting from the transfer of recyclable materials to World Resources Company.

Please note that in accordance with 40 CFR §262.40, this copy of the manifest must be retained as a record for at least three (3) years from the date the waste was accepted by the initial transporter.

If you have any questions, please feel free to give us a call.

Sincerely,

World Resources Company

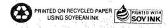
Manifest Coordinator

**Enclosures** 

3. Generator's Name and Mailing Address ALASKAN COPPER WORKS P.O. Box 3546, Seattle, WA 98124 4. Generator's Phone ( 206 ) 382-8379 5. Transporter I Company Name M.C. Nottingham Co. of So. Cal. C.A. D. 0. 5. 9. 2. 4. 0. 7. 1. 50. Transporter's ID M.C. Nottingham Co. of So. Cal. C.A. D. 0. 5. 9. 2. 4. 0. 7. 1. 50. Transporter's Phone 909 T. Transporter 2 Company Name B. USEPAID Number C. State Transporter's ID C. Transporter 2 Company Name B. USEPAID Number C. State Transporter's ID C. Transporter 2 Company Name B. USEPAID Number C. State Transporter's ID C. Transporter 2 Company Name B. USEPAID Number C. State Transporter's ID C. Transporter 2 Company Name B. USEPAID Number C. State Transporter's Phone C. State Transporter's ID C. Transporter 2 Company Statis West Sherman Street Phoenix, Arizona 55043 A. 7. D. 9. 8. 0. 7. 3. 5. 5. 0 C. State Transporter's Phone C. State Tra	by Federal la	ition in tequired		age 1	. 1	nent No.			1. Generator's U	M HAZARDOUS E MANIFEST	
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Transporter 2 Company Name  8. US EPA ID Number  F. Transporter's ID  F.		s ID	nsporter':	tate Tra	C. Si	r a kaja	ID Number	6. US EPA			
Designated Facility Name and Site Address  World Resources Company  8113 West Sherman Street Phoenix, Arizona 85043  I.S. DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)  RQ, Hazardous waste, solid, n.o.s., (D007), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 1, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 1, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s. (RQ, Hazardous waste, solid, n.o.s.) (RQ, Hazardous waste, solid, n.o.s. (RQ, Hazardous waste, solid, n.o.s.) (RQ, Hazardous waste, solid, n.o.s.) (RQ, Hazardous waste, solid, n.o.s. (RQ, Hazardous waste, solid, n.o.s.) (RQ, Hazardous waste, solid, n.o.s. (RQ, Hazardous waste, solid, n.o.s.) (RQ, Hazardous waste, solid, n.o.s. (RQ, Hazardous waste, solid, n.o.s.) (RQ, Hazardous waste, solid, n.o.s. (RQ, Hazardous waste, solid, n.o.s.) (RQ, Hazardous waste, solid, n.o.s. (RQ, Hazardous waste, solid, n.o.s.) (RQ, Hazardous waste, solid, n.o.s. (RQ, Hazardous waste, solid, n.o.s.) (RQ, Hazardous waste, solid, n.o.s. (RQ, Haza	9-623-32		epace-conversation and the second	construction and the contract of		71	9240	C A D O 5	Cal.		
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Phoenix, Arizona 85043  A 7 D 9 8 Q 7 3 5 5 0 800-97.  BSOT Description (Including Proper Shipping Name, Hazard Class and ID Number)  RQ, Hazardous waste, solid, n.o.s., (D007), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s.  (F006), 9, NA3077, III  RQ, Hazardous waste, solid, n.o.s.  (F006), 9, NA3077, III  Additional Descriptions for Materials Listed Above  K. Handling Codes for Wastes Listed Above  Special Handling Instructions and Additional Information 24 Hour Emergencey Response: 1-800-424-9300 CHEMTREC (Emergency call pager #206 (Use CHEMTREC company code "WORR") Wear gloves & goggles  PD # M-452-  GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are acassiled, peached, marked, and labeled, and are in all respects in proper condition for transport proper shipping name and are accossing to applicable international and national government regulations.  If I am a large quantity generator, I carify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes thruse threat to human health and the environment; OR, if I am a simple quantity generator, I carify that a me asmall quantity generator, I have made a good faith effort to minimize my waste gene the best waste management method that is available to me and that I can afford.  PROFILE OF THE ACKNOWLEDGEMENT OF RECEIPT OF Materials  Printed/Typed Name  Signature  Mor		е	ility's ID	tate Fac	G, Si		ID Number	10. US EP/	ss	sources Company	World Res
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24 Hour Emergencey Response: 1-800-424-9300 CHEMTREC (Emergency call pager #206 (Use CHEMTREC company code "WORR") Wear gloves & goggles  P.O. # M6452+ 6. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have deconomically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generated to best waste management method that is available to me and that I can afford.  Printed/Typed Name  Signature  Mor  Wor  Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  Signature  Mor  Mor  Signature  Mor  Mor  Signature  Mor			1.00								
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Style CF 17 LABELMASTER, AN AMERICAN LABELMARK CO., CHICAGO, IL 60646 (800)621-5808

EPA Form 8700-22 (Rev. 9-64) Previous editions
ORIGINAL-RETURN TO GENERATOR



TIME 10:38 AM

MATE 07/14/00

SUBTOTAL 1179 LB 0.59 TONS

TOTAL 1179 LB 0.59 TONS

NORLD RESOURCES CO.

10:36 AM 07/14/00

0 1b

TIME 1:10 AM

DATE 07/14/00

SUBTOTAL 16006 LB & OOTONS

TOTAL 16006 LB WORLD RESOURCES CO.

11:10 AM 07/14/00

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ALP P. C	SKAN COPPER WORKS Box 3546, Seattle,	WA ORIZA			B. St	ate Gener	rator's IF	5	
	rator's Phone(206) 382		MORT FRANKS	orbil Marine		uto dono	uto, o te		
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Pho	eniz, Arizoma 85043			073550					72-1955
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Style CF 17 LABELMASTER, AN AMERICAN LABELMARK CO., CHICAGO, IL 60646 (800)621-5808

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

**GENERATOR COPY** 





LAND DISPOSAL RESTRICTION NOTICE

**EFFECTIVE 11/09/98** 

[A copy of this Notice must be retained by the Generator for at least three (3) years, pursuant to U.S. EPA Regulation 40 CFR §268.7(a)(8).

Moreover, the Generator should check the hazardous-waste regulations of his/her own State, inasmuch as, if there is a State analogue to the federal regulation, it may require a longer retention time, such as five (5) years. It should also be noted that the federal regulation—and, typically, State analogues as well—requires the retention period to be extended further in specified cases.]

TO: WORLD RESOURCES COMPANY	8113 Wes	st Sherman Street, Ph	noenix AZ 85043-3000	
FROM: Alaskon Copper works	628	HALFORD ST	T Seattle WA	
NUMBER: DDDD6		DATE OF SHIPMENT:	-11-00	
This shipment of material is subject to the land disposal restrictions of 40 CFR Part 268.	EPA Material Number	Treatability Group	CFR Reference for Treatment Standards	
The applicable land disposal	D007	non-wastewater	40 CFR §268.40	
restriction information, provided in accordance with 40 CFR §268.7(a)(2), is as shown in this table:				
SIGNATURE: Sull'	<u> </u>	TITLE: Ervino,	TECH	
NAME GENAGO A Thompse		DATE: 7-11-0	Ø ·	

# Instructions for the Completion of this Land Disposal Restriction Notice [LDRN]

This LDRN has been prepared based on a listed material--D007--as the primary designation of the material. This designation is based on information furnished by the Generator of the material. While it is believed to be accurate, it is the Generator's responsibility to determine whether his/her material is restricted from land disposal, and to correctly complete the LDR Notice [as stated in 40 CFR §268.7(a)(2)].

If your material is described by additional "D" characteristic EPA waste codes, then they must each be included on the LDR Notice.

D1994 by WORLD RESOURCES COMPANY, Rayland 11/08/78, All rights reserved

AKC-0017399

### MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME
Hazardous waste, solid, n.o.s. (D007)

NORTH AMERICAN
EMERGENCY RESPONSE
GUIDEBOOK

# Takaba erom gande 17a of the 1966 korth American erom gande 17a of the 1966 korth

### POTENTIAL HAZARDS

### FIRE OR EXPLOSION

- . Some may burn, but none lanite readily.
- Some may polymerize (P) explosively when heated or involved in a fire.
- . Containers may explode when heated.
- . Some may be transported hot.

### HEALTH

- · Inhalation of material may be harmful.
- . Contact may cause burns to skin and eves.
- Inhalation of Asbestos dust may have a damaging effect on the lungs.
- · Fire may produce imitating, corrosive and/or toxic gases.
- · Runoff from fire control may cause pollution.

### PUBLIC SAFETY

- CALL CHEMTREC at 1-800-424-9300 FOR EMERGENCY ASSISTANCE (Use CHEMTREC Company Code "WORR").
- Isolate spill or leak area immediately for at least 10 to 25 meters (30-80 feet) in all directions.
- Keep unauthorized personnel away.
- · Stay upwind.

### PROTECTIVE CLOTHING

- · Wear positive pressure self-contained breathing apparatus (SCBA).
- · Structural firefighters' protective clothing will only provide limited protection.

### EVACUATION

### Fire

If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1.2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

### **EMERGENCY RESPONSE**

### FIRE

### Small Fires

· Dry chemical, CO2, water spray or regular foam.

### Large Fires:

- · Water spray, fog or requiar foam.
- · Move containers from fire area if you can do it without risk.
- · Do not scaner spilled material with high pressure water streams.
- · Dike fire-control water for later disposal.

### Fire Involving Tanks:

- . Cool containers with flooding quantities of water until well after fire is out,
- · Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- · ALWAYS stay away from the ends of tanks.

### SPILL OR LEAK

- Do not touch or walk through spilled material.
- . Stop leak if you can do it without risk.
- · Prevent dust cloud.
- · Avoid inhalation of asbestos dust.

### Small Dry Spills

- With clean shovel, place material into clean, dry container and cover loosely: move containers from spill area.
   Small Spills
- Take up with sand or other noncombustible absorbent material and place into containers for later disposal.
   Large Spills
- · Dike far shead of liquid solll for later disposal.
- · Cover powder spill with plastic sheet or tarp to minimize screading.
- Prevent entry into waterways, sewers, basements or confined areas.

### FIRST AID

- . Move victim to fresh air.
- Call emergency medical care.
- · Apply artificial respiration if victim is not breathing.
- · Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- . In case of contact with substance. Immediately flush skin or eyes with running water for at least 20 minutes.
- . Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

. AZF WRC 911479

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# **Material Safety Data Sheet**

D007 Recyclable Material

Recycler's Facility Name and Site Address:

World Resources Company

8113 West Sherman Street Phoenix, Arizona 85043

Tel: 1-602-233-9166 Fax: 602-936-9164

Issued: 3/18/94

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded)

For Emergencies During Shipping in the US or Canada, Day or Night, Call: CHEMTREC 800-424-9300 (Use CHEMTREC Company Code "WORR") For calls from other countries call: 202-483-7616 Collect

### Section 1

### PRODUCT - MATERIAL IDENTIFICATION

Environmental Protection Agency (EPA) Waste Classification: D007

Generic Name: Chromium metal bearing sludge Chemical Family: Non-Ferrous metal particulates

Synonym: Metallic Residues From High Frequency Burning Table

DOT Shipping Name: RQ, Hazardous Waste, Solid, n.o.s. (D007)

DOT Hazard Class: 9 : Packing Group: III DOT Identification Number: NA 3077

**DOT Emergency Response Guide 31 Applies** 

### Section 2

### HAZARDOUS INGREDIENTS

ingredient:	CAS Number:	Content %:	ACGIH-TLV	Toxicology:
Aluminum	7429-90-5	0-5	10 mg/m 3	No Data Available
Chromium	7440-47-3	0-15	0.5 mg/m 3	2.75 mg/kg (Rat, Oral)
Copper	7440-50-8	0-10	1.0 mg/m3	0.35 mg/kg (Mouse, Oral)
Nickel	7440-02-0	0-10	1.0 mg/m 3	No Data Available
Zinc	7440-66-6	0-5	none established	No Data Available

### Section 3

### Description: Moist, Sandy consistency

Brown to Black colored

Water Content 10-20% by weight

Specific Gravity: 2.0 to 3.0 Solubility: Insoluble in water Density:100 to 150 lbs/cu/ft

Incompatible Reactivity: Extreme heat sources,

Oxidants

Vapor Pressure: Insignificant

Stability: Avoid contact with acids, extreme heat

PHYSICAL AND REACTIVITY DATA

> Polymerization: Will not occur Boiling Point: Above 2000°C Meiting Point: Above 1000°C

pH: 7.0 to 10.0

Odor: Nil

### Section 4

### FIRE AND EXPLOSION DATA

Oxidation: Non-oxidizing Flashpoint: Nonflammable, under normal conditions Explosive: Non-explosive Special Firefighting Procedures: Dry Chemical

Product Decomposition. . . . (Due to Fire or Explosion): Hydrogen gas, ZnO ( under extreme external heat) Fire Diamond



### Section 5

## Listed Carcinogen component: Chromium, Nickel Toxicology: See Sec. 2 (Chromium, Nickel ) Route of Entry: Inhalation and Ingestion

### Section 6

## HEALTH EFFECTS AND FIRST AID

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, liver, kidnevs and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

### Section 7

### PRECAUTIONS FOR SAFE HANDLING

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and gloves.

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

### CONTROL MEASURES

Respiratory Protection: NIOSH-MSHA approved respirators as required. Other Protective Equipment: Coveralls are recommended, but not required.

Eye Protection: Safety Glasses recommended. Hand Protection: Gloves recommended.

### GENERATORS VERIFICATION

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number.

Company Name and Address: Alaskan Copper Works 628 Hanford st. Seattle Wa 98134 Company Name and Address: \_

Signature:

AZF-WRC 3/94



LAND DISPOSAL RESTRICTION NOTICE

F006

EFFECTIVE 11/09/PE

[A copy of this Notice must be retained by the Generator for at least three (3) years, pursuant to U.S. EPA Regulation 40 CFR §268.7(a)(8). Moreover, the Generator should check the hazardous-waste regulations of his/her own State, inasmuch as, if there is a State analogue to the federal regulation, it may require a longer retention time, such as five (5) years. It should also be noted that the federal regulation—and, typically, State analogues as well—requires the retention period to be extended further in specified cases.]

To: WORLD RESOURCES COMPANY	811	3 West Sherman Street,	Phoenix AZ 85043-3000
From: COMPANY NAME:	COM	PANY ADDRESS:	
Alaskan Copper Works	P.O.	Box 3546, Seattle, WA 9812	4
MANIFEST DOGO 6	DA1 SHIPM	E OF 7-11-00	ð
This shipment of material is subject to the land disposal restrictions of 40 CFR	EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
Part 268. The applicable land disposal	F006	non-wastewater	40 CFR §268.40
restriction information, provided in			
accordance with 40 CFR §268.7(a)(2), is	A/N		
as shown in this table:		<del></del>	
SIGNATURE:		TITLE: Enviro.	tech
NAME PRINTED: BELSED A. Tho	ypson 1	DATE: 7-11-00	

# Instructions for Completion of this Land Disposal Restriction Notice [LDRN]

This LDRN has been prepared based on a listed material--F006--as the primary designation of the material. This designation is based on information furnished by the Generator of the material. While it is believed to be accurate, it is the Generator's responsibility to determine whether his/her material is restricted from land disposal, and to correctly complete the LDR Notice (as stated in 40 CFR §268.7(a)(2)).

An F006 designation on the LDRN *includes* the following constituents: cadmium (D006), chromium (D007), lead (D008), silver (D011), cyanide, and nickel. However, the designation does *not* include arsenic (D004), barium (D005), mercury (D009), or selenium (D010). If your F006 material contains any of those four constituents not included in the F006 designation, then use the following instructions.

In determining the need for any additional entries on the LDRN for the F006 material, the levels of arsenic, barium, mercury and selenium must be examined to determine if the levels equal or exceed the threshold concentrations of constituents for the Toxicity Characteristic limit as identified in 40 CFR §261.24 (Table 1), as shown in the left-hand column of the table below (as stated in 40 CFR §268.9).

If (after testing or based upon the generator's knowledge of the material) each metal level does not equal the Toxicity Characteristic level shown below, then no additional entry is required on the LDR Notice. If the level is known to be or determined to be equal to or above the limit shown below for any of these metals, then the appropriate information corresponding to that individual metal (in the right-hand column below) must be added to the LDR Notice.

	E INFORMATION CHARACTERISTIC	APPROPRIATE ENTRY ON LDR NOTICE				
Metal	Concentration Level	EPA Material Number	Treatability , Group	CFR Reference for Treatment Standards		
ARSENIC	5.0 mg/l	D004	non-wastewater	40 CFR §268.40		
BARIUM	100 mg/l	D005	non-wastewater	40 CFR §268.40		
MERCURY	.02 mg/l	D009	non-wastewater	40 CFR §268.40		
SELENIUM	1.0 mg/l	D010	non-wastewater	40 CFR §268.40		

**:006 GENERATORS** 

### MATERIAL IDENTIFICATION

DOT BASIC SHIPPING DESCRIPTION AND TECHNICAL NAME: Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III

NORTH AMERICAN EMERGENCY RESPONSE

# TAKEN FROM GUIDE 171 OF THE NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK

(Underlined text applies directly to the material listed above)

### POTENTIAL HAZARDS

### FIRE OR EXPLOSION

- .Some may burn, but none ignite readily.
- Some may polymerize (P) explosively when heated or involved in a fire.
   Containers may explode when heated.
- 4. Some may be transported hot.

### HEALTH

- 1.Inhalation of material may be harmful.
- 2. Contact may cause burns to skin and eyes.
- 3.Inhalation of Asbestos dust may have a damaging effect on the lungs.
- Fire may produce irritating, corrosive and/or toxic gases.
- 5. Runoff from fire control may cause pollution.

### PUBLIC SAFETY

- 1. CALL CHEMTREC at 1-800-424-9300 FOR EMERGENCY ASSISTANCE (Use CHEMTREC Company Code "WORR")
- 2. Isolate spill or leak area immediately for at least 10 to 25 meters (30-80 feet) in all directions.
- 3. Keep unauthorized personnel away.
- 4.Stay upwind.

### PROTECTIVE CLOTHING

- 1. Wear positive pressure self-contained breathing apparatus (SCBA).
- Structural firefighters' protective clothing will only provide limited protection.

### **EVACUATION**

1.If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

### FIRE

### **EMERGENCY RESPONSE**

### **Small Fires**

1. Dry chemical, CO2, water spray or regular foam.

### Large Fires:

- 1. Water spray, fog or regular foam
- 2. Move containers from fire area if you can do it without risk
- 3. Do not scatter spilled material with high pressure water streams.
- Dike fire-control water for later disposal.

### Fire Involving Tanks:

- 1.Cool containers with flooding quantities of water until well after fire is out.
- 2. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. 3. ALWAYS stay away from the ends of tanks.

### SPILL OR LEAK

- 1.Do not touch or walk through spilled material.
- 2. Stop leak if you can do it without risk. 3. Prevent dust cloud.
- 4. Avoid inhalation of asbestos dust.

### Small Dry Spills

- 1. With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area. Small Spills
- Take up with sand or other noncombustible absorbent material and place into containers for later disposal. Large Spills
- 1. Dike far ahead of liquid spill for later disposal.
- 2. Cover powder spill with plastic sheet or tarp to minimize spreading.
- 3. Prevent entry into waterways, sewers, basements or confined areas.

### FIRST AID

- .Move victim to fresh air.
- Call emergency medical care.
- 3.Apply artificial respiration if victim is not breathing.
- 4. Administer oxygen if breathing is difficult.
- 5. Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
   Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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# **Material Safety Data Sheet**

F006 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:

World Resources Company 8113 West Sherman Street

Phoenix, Arizona 85043-3000 Tele: 1-602-233-9166 Fax: 1-623-936-9164

Issued 8/7/90 Revised: 9/18/96 DLS

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded)

For Emergencies During Shipping in the US or Canada, Day or Night, Call: CHEMTREC 800-424-3300

(Use Chemtrec Company Code "WORR") For calls from other countries 202-483-7616 Collect ountries call:

### Section 1

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge Environmental Protection Agency (EPA) Waste Classification: F006

Chemical Family: Metallic (Hydroxide) Precipitates Synonym: Non-ferrous Metal Hydroxide Filter Cake PRODUCT - MATERIAL IDENTIFICATION DOT Shipping Name: RO, Hazardous waste, solid, n.o.s., (F006) DOT Hazard Class: 9; Packing Group: III DOT Identification Number: NA 3077

Guide 171 of the North American Emergency Response Guidebook Applies

### Section 2 HAZARDOUS INGREDIENTS

ingrecient: .	CAS Number:	Content %:	ACGIH-TLY	Toxicology: (rat, oral)
Copper Hydroxide	20427-59-2	0-30	1.0 mg/m <sup>3</sup> (Dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	12054-48-7	0-15	1.0 mg/m <sup>3</sup> (Dust)	LD-60 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0-15	5.0 mg/m <sup>3</sup> (Dust)	LD-50 7,340 mg/kg
Diatomacecus Earth	68855-54-9	0-10	6.0 mg/m <sup>3</sup> (Dust)	LD-50 3,160 mg/kg

### PHYSICAL AND REACTIVITY DATA Section 3

Description: Solid, Clay-like Clumps, Gray/Green to Brown, Water Content 30-80%

Specific Gravity: 2.5 to 3.5 Solubility: Insoluble in water \*Density: 64 to 90 lbs/cu/ft Incompatible Reactivity: None Known

Vapor Pressure: Insignificant Stability: Avoid contact with acids Polymerization: Will not occur Boiling Point: Above 2600°C Meiting Point: Above 1800°C

pHt 7.0 to 10.0 Cdor: Nil

### AND EXPLOSION DATA Section 4

Flashpoint: Nonflammable Special Firefighting Procedures: None

Oxidation: Non-oxidizing Explosive: Non-explosive Product Decomposition. . . . (Due to Fire or Explosion): None

NFPA Fire Diamond



Listed Carcinogen component: Nickel

Toxicology: See Sec. 2 (Nickel Hydroxide) . Route of Entry: Inhalation and Incestion

### Section 6

HEALTH EFFECTS AND FIRST AID

Inhalation: Dust may initate muccus membranes and upper respiratory tract. Remove to fresh air and treat symptoms. Ingestion: Fare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may initiate skin, causing forms of eczema. Wash with scap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

### Section 7

### PRECAUTIONS FOR SAFE HANDLING

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and Storage:

Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to Spills: avoid inhalation or ingestion. Store in a dry area under cover from rain.

Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address

Respiratory Protection: NIOSH-MSHA approved respirators as required. Other Protective Equipment: Coveralis are recommended, but not required. CONTROL WEASHRES

Eve Protection: Safety Glasses recommended. Hand Protection: Gloves recommended.

Section 9

GENERATOR'S VERILICATION

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken								
in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable								
material listed on the attached Manifest Number: Date: 7-11-06					7-11-00			
Company Name and Address:	Alaskan Copper V	Vorks P.O. Box 3546, S	Scattle, WA 98124		=	•		

Signature: c

Recycled Paper